PROJECT DESCRIPTION GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE RECONSTRUCTION OF A TEMPORARY TRAFFIC MOT SIGNAL WITH STREET LIGHTING TO BE INSTALLED AT THE INTERSECTION OF MD 404 (SHORE HIGHWAY) AND MD 16 (HARMONY ROAD)/DOUBLE HILLS ROAD IN CAROLINE COUNTY.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A SEMI- ACTUATED MODE USING 4 NEMA PHASES. THIS TEMPORARY TRAFFIC SIGNAL SHALL OPERATE DURING THE MOT PHASE 3 STAGE, UNTIL SUCH TIME, FULL REMOVAL OF ALL EQUIPMENT IS REQUESTED BY THE ENGINEER.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

PHONE: (410) 787-7630

MR. ROBERT L. KIEL, ASSISTANT DISTRICT ENGINEER - TRAFFIC PHONE: (410) 810-3240
MR. JEFF AMORIELLO, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION PHONE: (410) 810-3270 MR. TERRY O. WRIGHT, ASSISTANT DISTRICT ENGINEER - MAINTENANCE PHONE: (410) 810-3250 MR. BARRY CLOTHIER, UTILITY ENGINEER PHONE: (410) 810-3275 MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION. DESCRIPTION

CATEGORY CODE NO.

UNITS QUANTITY

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
585624	24 INCH HEAT APPL. WHITE PERMANENT PREFORMED THERMO, PAVEMENT MARKING	LF	90
585462	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH	LF	70
800000	REMOVE AND DISPOSE OF EXISTING TRAFFIC SIGNAL EQUIPMENT	LS	1
800000	40 FOOT WOOD POLE - CLASS II	EΑ	1
800000	BACKGUY AND ANCHOR ASSEMBLIES	EΑ	2
800000	20 FOOT LIGHTING ARM ON WOOD POLE	EΑ	1
800000	RELOCATE EXISTING VIDEO DETECTION CAMERA	EΑ	1
800000	RELOCATE EXISTING TRAFFIC SIGNAL HEAD (PER HEAD)	EΑ	2
816001	VIDEO DETECTION CAMERA	EΑ	1
816005	CONTROL CABLE, 250 FOOT VIDEO DETECTION CAMERA TO CONTROLLER	EΑ	1
831010	250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE	EΑ	1
860272	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EΑ	18
861107	ELECTRICAL CABLE — 5 CONDUCTOR (NO. 14 AWG)	LF	550
861116	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG) TRAY CABLE	LF	200
869102	STEEL SPAN WIRE - 3/8 INCH DIAMETER	LF	140

C. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILLIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

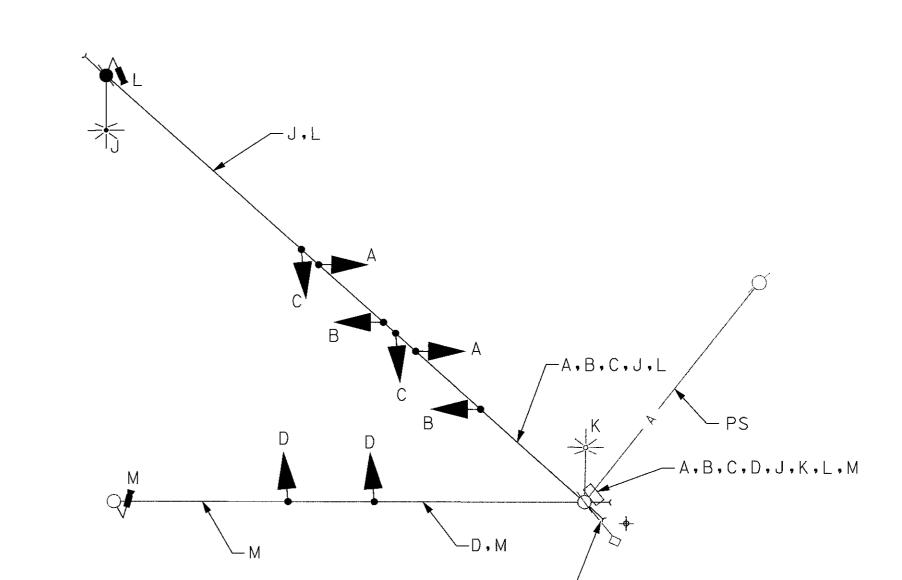
CATEGORY CODE NO.

DESCRIPTION

UNITS QUANTITY

NOTE: EXISTING VIDEO DETECTION CAMERAS UPON REMOVAL SHALL BECOME PROPERTY OF SHA.





<u>KEY</u>

5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

J > 2 CONDUCTOR ELECTRICAL CABLE (NO. 12 AWG) TRAY CABLE

EXISTING 2 CONDUCTOR ELECTRICAL CABLE (NO. 12 AWG) TRAY CABLE,
 ENERGIZE LUMINAIRE IN THIS PHASE OF MOT.

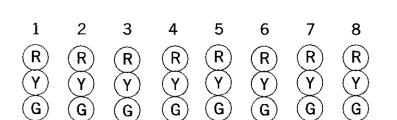
VIDEO DETECTION CABLE

M 1-CONDUCTER (NO.6 AWG)
STRAINED COPPER GROUNDWIRE

PS POWER SERVICE OVERHEAD (BY OTHERS)

+ GROUND ROD

PHASE CHART



		<u>u</u>	u	<u>u</u>		<u>u</u>			
PHASE 2 AND 6	G	G	G	G	R	R	R	R	
2 AND 6 CHANGE	Υ	Υ	Υ	Υ	R	R	R	R	
PHASE 4 AND 8	R	R	R	R	G	G	G	G	<u> </u>
4 AND 8 CHANGE	R	R	R	R	Υ	Υ	Y	Υ]
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	+ 4

MOT PHASE 3



STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 404 @ MD 16/ DOUBLE HILLS ROAD

GENERAL INFORMATION PLAN

SCALE N.T.S. DATE APRIL 2005 CONTRACT NO. C03215270

DESIGNED BY C. FLEMING COUNTY CAROLINE DRAWN BY C.FLEMING LOGMILE 05001612.76 CHECKED BY S. RENZI T.I.M.S. NO. . .

TOD NO. ____ F.A.P. NO._____

SHEET NO. OF

SABRA, WANG & ASSOCIATES, INC 1504 JOH AVENUE BALTIMORE, MD 21227 WWW.SABRA-WANG.COM

DRAWING NO. TS-1378C FILE: R:\2001\61HWYDES_WRA\TASK 15 MD 404\DWG\SIGNAL\GD02M404.DGN DATE: 18-APRIL-05 17:01

SUITE 160

(410) 737-6564